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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Max Harry Weil, et al.

Serial No.: 09/678,616

Filed: October 4, 2000

For: CHEST COMPRESSOR

Group Art Unit: 3764

Examiner: Justine Yu

SPECIFICATION AND CLAIMS  
IN CLEAN FORM

Hon. Commissioner of Patents

November 29, 2001

Washington D.C. 20231

Los Angeles, CA 90024

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In response to the Office Action dated August 29, 2001, the following displays all amended paragraphs in the specification and all amended claims, as amended in the present amendment, without showing any underlining or brackets.

In The Specification:

(Paragraph starting at Page 4, between lines 9 and 10):

A1

Fig. 4 is a graph showing one of the chest compression pulses applied by the apparatus of Fig. 3.

(Paragraph starting at Page 7, Line 2):

A2

The actuator has a vertical axis 140 which should be maintained within about 5° from a vertical direction when the patient's chest location 182 that is being compressed lies in a horizontal plane. The band 34 shown in Fig. 1 has a width W such as 2 inches for compact storage and easy deployment, and provides some

resistance to tilt of the actuator axis. However, even if the flexible band were much wider, it would not apply much resistance to actuator tilt. To prevent such tilt, applicant provides a stabilizer 150. The stabilizer has at least two leg portions 152, 154, one lying in an upward direction T from the actuator and the other 154 lying downward D from the actuator. This prevents tilt of the actuator about a lateral axis N, with the tightened bands providing some resistance to tilt about a perpendicular horizontal axis. Preferably, applicant provides many leg portions spaced about the axis. The particular stabilizer 150 is in the form of a saucer, or saucer-shaped element. Fig. 1 shows that the saucer extends by more than a half circle (more than  $180^\circ$ ) about the actuator axis, and actually extends approximately  $360^\circ$  about the actuator axis. As shown in Fig. 2, the stabilizer has one or more outer ends 160 spaced a radial distance 162 from the axis 140 that is considerably more than the radius 164 of the pressing member 12. With at least three and preferably at least four locations angularly spaced about the axis 140, lying against or very close to the location 182 of the chest that is being compressed, applicant prevents more than a few degrees of tilt of the actuator. The radius of the stabilizer outer ends is preferably more than that of the pressing member but not more than three times as great.

Fig 2  
cont'd

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(Paragraph starting at Page 8, Line 20):

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In many cases, it is desirable to induce breathing in the patient as well as stimulating the patient's heart. Fig. 3 shows an apparatus 220 that includes a first portion 222 for stimulating a patient's heart and a second portion 226 for stimulating breathing. The apparatus 222 is similar to that of Figs. 1 and 2, with a wide flexible band 224 that holds an actuator 16. The band has two straps 230, 232 to provide tight band portions at the top and bottom of the wide band. The second portion 226 includes a band 240 that extends in about a full circle (at least  $270^\circ$ ) around the person's middle torso, and includes a pair of actuators 242, 244 for controllably tightening the band to compress the middle torso. The actuators

Fig 3